



U.S. Customs and
Border Protection

U. S. Customs & Border Protection TSN Plenary Session

Export Processing In ACE

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Automated Export Processing - Goals

November 2012 – CBP initiated an Agile development effort to move the legacy Automated Export System (AES) to an ACE Re-engineered system platform with the following goals:

- Establish a single automated processing platform for all export commodity, manifest, licensing (*not to overlap with USXPORTS functionality*), and other Partner Government Agency (PGA) processing needs for all modes of transportation (air, rail, sea and truck).
- Work with the Census Bureau and the Bureau of Industry and Security (BIS) to support the President's National Export Initiative and Export Control Reform (ECR) Initiative



Automated Export Processing - Goals – cont'd

- Work with the Trade Support Network (TSN) through the Export Task Group (MMM, ITDS, and Export Committees) and other trade groups to determine export trade user requirements.
- Work with the PGAs through the ITDS Board of Directors and other partnerships to identify PGA export user requirements for licenses, permits and data collections.



AES Re-Engineering

These goals will be accomplished through the following development:

- Replace the legacy AES mainframe system with a modern IT platform conforming to the CBP Enterprise Technical Architecture that will drive down operating and future development cost.
- Replace all manual or paper based processing in exports for licensing, manifest and notifications with electronic processing to better facilitate movement of compliant shipments and identification of high risk shipments.



AES Re-Engineering – cont'd

- Implement a single window in the re-engineered AES that allows the CBP user to view all commodity, enforcement, licensing and findings data from a single application.
- Leverage recent ACE functionality development on imports to provide a means in exports for additional services for CBP, PGAs and the trade community.



AES Enhancements

Bureau of the Census:

The reengineered AES will include the following enhancements for Census Bureau regulatory changes:

- Post-departure filing times changed from ten (10) to five (5) calendar days from the date of exportation
- Added Ultimate Consignee Type
- Added License Value
- Foreign Trade Zone Identifier increased from five to seven alpha-numeric characters

Advanced Export Information (AEI) pilot for filing of 11 mandatory data elements pre-departure and remaining data elements filed five days post departure (this is a revised Option 3 process to provide certain trade members the ability to file the commodity data with a limited set of data).



AES Enhancements - continued

Bureau of Industry and Security:

CBP is working with BIS on:

- Development of license decrementation capability within the reengineered AES platform.
- Provide a placeholder for the potential expansion of the Export Control Classification Number (ECCN) in support of possible future regulatory changes.
- Development of better validations and edits on license data to enhance processing of filings and notifications.



AES Enhancements - continued

Partner Government Agencies:

- The AES development team is also working to identify additional PGAs license types, data elements, Document Imaging System submissions and other functionality to include as possible pilots in the re-engineered system.

Export Manifest Baseline Development:

- The AES development team is also working closely with the Air, Rail, Ocean and Truck groups to identify electronic export manifest filing functionality for all modes



AES Re-Engineering – Status

6 sprints = 1 Increment

Increment I	Trade EDI Interface	January 2013
Increment II	User Interface, Enforcement	April 2013
Increment III	User Interface, Inbound data feeds, outbound data extracts	July 2013
Increment IV	Findings, Outstanding system enhancements	September 2013

Phased Capability Rollout

Phase I	Load Historical Data	October 2013
Phase II	Run re-engineered AES in parallel with legacy AES.	October 2013
Phase III	Provide CERTS environment for trade users to test system enhancements prior to April 2014 implementation date.	January 2014
Phase IV	Migrate CBP, PGA and trade users from legacy AES, and retire mainframe trade interface	April 2014



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